Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	rm 144	19/PTO	Complete if Known		
	INFORMATION	DISCI	LOSURE	Application Number	11/561,785	
	STATEMENT BY	Y APF	LICANT	Filing Date	June 25, 2004	
_	ate Submitted: Se	ntomb	or 15, 2000	First Named Inventor	Caius ROMMENS	
	ate Submitted. Se	premi	Jei 13, 200 <del>3</del>	Art Unit	1638	
(	use as many shee	ts as	necessary)	Examiner Name	Unassigned	
Sheet	1	of	6	Attorney Docket Number	058951-0238	

	U.S. PATENT DOCUMENTS								
Examin	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant				
er Initials*	er No.1	Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear				
	D1	US 2002/0019998 A1	02-14-2002	Sonnewald	<del>-</del>				
	D2	US 2002/0069430 A1	06-06-2002	Kisaka et al.	The state of the s				
	D3	US 2004/0018541 A1	01-29-2004	Allen et al.					
	D4	US 2006/0156428 A1	07-13-2006	Rommens et al.					
	D5	US 2006/0233930 A1	10-19-2006	Soyka et al.					
	D6	US 2007/0074304 A1	03-29-2007	Rommens					
	D7	US 2009/0123626 A1	05-14-2009	Rommens et al.					
	D8	US 6,521,816 B1	02-18-2003	Frohberg					
	D9	US 7,250,554 B2	07-31-2007	Rommens et al.					
	D10	US 7,534,934 B2	05-19-2009	Rommens et al.					

	UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Application Document Serial Number-Kind Code <sup>2</sup> (if known)	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			

			FOREIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4-</sup> Kind Code <sup>5</sup> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	D11	WO 03/069980 A2	08-28-2003	J. R. Simplot Co.		
	D12	WO 05/004585 A2	01-20-2005	J. R. Simplot Co.		
	D13	WO 06/036739 A2	04-06-2006	J. R. Simplot Co.		
	D14	WO 07/035752 A2	03-29-2007	J. R. Simplot Co.		
	D15	WO 97/40707	11-06-1997	The Procter & Gamble Co.		

_	,	
Examiner Signature	Date Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	orm 14	49/PTO	C	complete if Known
	INFORMATION	DISC	LOSURE	Application Number	11/561,785
	STATEMENT B	Y API	PLICANT	Filing Date	June 25, 2004
_	Date Submitted: Se	, n't a mi	hor 15, 2000	First Named Inventor	Caius ROMMENS
L	Jale Submilled. Se	ptem	bei 15, 2009	Art Unit	1638
	(use as many shee	ets as	necessary)	Examiner Name	Unassigned
Sheet	2	of	6	Attorney Docket Number	058951-0238

		NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T€					
	D16	"Acrylamide in foods: a health risk to be taken seriously", (http://www.bgvv.de), August 30, 2002, 3 pages, Abstract						
	D17	"Action value: a first step in the direction of drastic reduction of acrylamide in foods", (http://www.bgvv.de), August 14, 2002, 2 pages, Abstract						
	D18	"Baden-Württemberg food monitoring with new research results", (www.mlr.baden-wuerttemberg.de/), October 1, 2002, 2 pages, Abstract						
	D19	"BgVV – Expert discussion on the occurrence of acrylamide in foods", (http://www.bgvv.de), May 17, 2002, 1 page, Abstract						
	D20	"FDA plans to identify and reduce acrylamides in food", <u>OncoLink – Reuters Health</u> , September 30, 2002, 2 pages, http://www.oncolink.com/custom_tags/pring_article.cfm?Page=2&id=8896&Section=Reu	4.4					
	D21	"SCF publishes scientific evaluation of acrylamide in foods", (http://www.europa.eu.int), July 8, 2002, 1 page, Abstract						
	D22	"Scientists Look for Clues to Perils Lurking in Foods", <u>The New York Times</u> , October 1, 2002, 2 pages, http://www.nytimes.com/2002/10/01/science/scientists-look-for-clues-to-perils-lerking-in						
	D23	"Sweden detects acrylamide in foods", (http://www.bgvv.de), April 25, 2002, 1 page, Abstract						
	D24	AMREIN et al., "Potential of Acrylamide Formation, Sugars, and Free Asparagine in Potatoes: A Comparison of cultivars and Farming Systems", <u>J. Agric. Food Chem.</u> , (2003), pp. 5556-5560, vol. 51, The American Chemical Society						
	D25	BECALSKI et al., "Acrylamide in French Fries: Influence of Free Amino Acids and Sugars", <u>J. Agric.</u> Food Chem., (2004), pp. 3801-3806, vol. 52, American Chemical Society						
	D26	BIEDERMANN et al., "Experiments on Acrylamide Formation and Possibilities to Decrease the Potential of Acrylamide Formation in Potatoes", <u>Mitt. Lebensm. Hyg.</u> , June 2002, pp. 668-687, vol. 93, BAG OFSP UFSP SFOPH						
	D27	BLANK et al., "Mechanisms of Acrylamide Formation", <u>Chemistry and Safety of Acrylamid in Food,</u> (2005), pp. 171-189, Springer Science+Business Media, Inc.						
	D28	FOOT et al., "Acrylamide in fried and roasted potato products: A review on progress in mitigation", Food Additives and Contaminants, Supplement 1, (2007), pp. 37-46, vol. 24, no. S1, Taylor & Francis						

	( <del></del>		
Examiner		Date	
Signature		Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	rm 14	49/PTO	C	omplete if Known
	INFORMATION	DISC	LOSURE	Application Number	11/561,785
	STATEMENT B	Y APF	PLICANT	Filing Date	June 25, 2004
г	ate Submitted: Se	ntomk	or 15, 2000	First Named Inventor	Caius ROMMENS
L	rate Submitted. Se	breinr	Del 15, 2009	Art Unit	1638
	(use as many shee	ets as	necessary)	Examiner Name	Unassigned
Sheet	3	of	6	Attorney Docket Number	058951-0238

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	⊤°
	D29	FRIEDMAN et al., "Review of Methods for the Reduction of Dietary Content and toxicity of Acrylamide", J. Agric. Food Chem., (2008), pp. 6113-6140, vol. 56, American Chemical Society	
	D30	FRIEDMAN, M., "Chemistry, Biochemistry, and Safety of Acrylamide. A Review", <u>J. Agric. Food Chem.</u> , (2003), pp. 4504-4526, vol. 51, The American Chemical Society	
	D31	HALFORD et al., "Genetic and agronomic approaches to decreasing acrylamide precursors in crop plants", Food Additives and Contaminants,, Supplement 1, (2007), pp. 26-36, vol. 24, no. S1, Taylor & Francis	
•	D32	HANLEY et al., "Acrylamide Reduction in Processed Foods", Chemistry and Safety of Acrylamid in Food, (2005), PP. 387-392, Springer Science+Business Media, Inc.	
	D33	ISHIHARA et al., "Formation of Acrylamide in a Processed Food Model System, and Examination of Inhibitory Conditions", <u>J. Food Hyg. Soc. Japan</u> , April 2005, pp. 33-39, vol. 46, no. 2, Shokuhin Eiseigaku Zasshi	
	D34	KNOL et al., "Toward a Kinetic Model for Acrylamide Formation in a Glucose – Asparagine Reaction System", <u>J. Agric. Food Chem.</u> , (2005), pp. 6133-6139, vol. 53, American Chemical Society	
	D35	LAM et al., "Metabolic Regulation of the Gene Encoding Glutamine-Dependent Asparagine Synthetase in <i>Arabidopsis thaliana</i> ", <u>Plant Physiol.</u> , (1994), pp. 1347-1357, vol. 106	
	D36	LORBERTH et al., "Inhibition of a starch-granule-bound protein leads to modified starch and repression of cold sweetening", <u>Nature Biotechnology</u> , May 1998, pp. 1-5, vol. 16	
	D37	MATTHÄUS et al., "Factors affecting the concentration of acrylamide during deep-fat frying of potatoes", <u>European Journal of Lipid Science and Technology</u> , November 18, 2004, 1 page, vol. 106, issue 11, Wiley-VCH Verlag GmbH & Co.	
	D38	MESTDAGH et al., "Role of Water Upon the Formation of Acrylamide in a Potato Model System", <u>J. Agric. Food Chem.</u> , (2006), pp. 9092-9098, vol. 54, American Chemical Society	
	D39	MOTTRAM et al., "Acrylamide is formed in the Maillard reaction", <u>Nature</u> , October 3, 2002, 1 page, vol. 419, Nature Publishing Group	
	D40	MUTTUCUMARU et al., "Reducing Acrylamide Precursors in Raw Materials Derived from Wheat and Potato", <u>J. Agric. Food Chem.</u> , (2008), pp. 6167-6172, vol. 56, American Chemical Society	
	D41	NAIR et al., "Evidence for <i>de novo</i> Synthesis of Asparagine Synthetase in Gamma Irradiated Potatoes", <u>Indian Journal of Biochemistry &amp; Biophysics</u> , December 1971, pp. 204-209, vol. 8, The Council of Scientific & Industrial Research, New Delhi	

(	i	
Examiner	Date	
Signature	Considered	
3		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	rm 144	19/PTO	С	omplete if Known
	INFORMATION	DISC	_OSURE	Application Number	11/561,785
	STATEMENT B	Y APF	PLICANT	Filing Date	June 25, 2004
_	ate Submitted: Se	ntomb	or 15, 2000	First Named Inventor	Caius ROMMENS
	ale Submilled. Se	ptem	Jei 13, 2009	Art Unit	1638
(	(use as many shee	ts as	necessary)	Examiner Name	Unassigned
Sheet	4	of	6	Attorney Docket Number	058951-0238

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	D42	PALAZOĞLU et al., "Reduction of Acrylamide Level in French Fries by Employing a Temperature Program during Frying", <u>J. Agric. Food Chem.</u> , (2008), pp. 6162-6166, vol. 56, American Chemical Society	
	D43	PALEVITZ, B. A., "Acrylamide in French Fries", Scientist, October 14, 2002, 2 pages, vol. 16, no. 20	
	D44	PARK et al., "Controlling Acrylamide in French Fry and Potato Chip Models and a Mathematical Model of Acrylamide Formation", <u>Chemistry and Safety of Acrylamid in Food</u> , (2005), pp. 343-356, Springer Science+Business Media, Inc.	
	D45	POLLIEN, et al., "Proton Transfer Reaction Mass Spectrometry, a Tool for On-Line Monitoring of Acrylamide Formation in the Headspace of Maillard Reaction Systems and Processed Food", Analytical Chemistry, October 15, 2003, pp. 5488-5494, vol. 75, no. 20, American Chemical Society	
	D46	Presse – Archive 2002 (original German language abstracts available online at <a href="www.archive.org">www.archive.org</a> . English translations are submitted herein under "Baden-Württemberg food monitoring with new research results", "Acrylamide in foods: a health risk to be taken seriously", "Action value: a first step in the direction of drastic reduction of acrylamide in foods", "SCF publishes scientific evaluation of acrylamide in foods", "BgVV – Expert discussion on the occurrence of acrylamide in foods", and "Sweden detects acrylamide in foods", 17 pages. Abstracts	
	D47	RALOFF, J., "Hot Spuds - Golden Path to acrylamide in food", <u>Science News This Week</u> , October 5, 2002, 3 pages, www.sciencenews.org	
	D48	ROBERT et al., "Acrylamide Formation from Asparagine under Low-Moisture Maillard Reaction Conditions. 1. Physical and Chemical Aspects in Crystalline Model Systems", <u>J. Agric. Food Chem.</u> , (2004), pp. 6837-6842, vol. 52, American Chemical Society	
	D49	ROMMENS et al., "Low-acrylamide French fries and potato chips", <u>Plant Biotechnology Journal</u> , (2008), pp. 843-853, vol. 6, Blackwell Publishing Ltd.	
	D50	ROSÉN et al., "Analysis of acrylamide in cooked foods by liquid chromatography tandem mass spectrometry", <u>Analyst</u> , (2002), pp. 880-882, vol. 127, The Royal Society of Chemistry 2002	
	D51	ROSEN. J.D., "Acrylamide in Food: Is It a Real Threat to Public Health?", <u>American Council on Science and Health</u> , December 2002, 17 pages	
	D52	SERPEN et al., "Modeling of acrylamide formation and browning ration in potato chips by artificial neural network", Mol. Nutr. Food Res., (2007), pp. 383-389, vol. 51, Wiley-VCH Verlag GmbH &Co. KGaA, Weinheim	

Examiner	Date	
Signature	Considered	
5.9	 56116146164	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	rm 144	19/PTO	Complete if Known		
	INFORMATION DISCLOSURE			Application Number	11/561,785	
	STATEMENT B	Y APF	LICANT	Filing Date	June 25, 2004	
_	Nata Submittad: Se	ntamb	or 15, 2000	First Named Inventor	Caius ROMMENS	
Date Submitted: September 15, 2009				Art Unit	1638	
(use as many sheets as necessary)				Examiner Name	Unassigned	
Sheet	5	of	6	Attorney Docket Number	058951-0238	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	D53	SHARP, D., "Acrylamide in Food", <u>The Lancet,</u> February 1, 2003, pp. 361-362, vol. 361, no. 9355, Elsevier Ltd.	
	D54	SILVA et al., "Genetic, Physiological, and Environmental Factors Affecting Acrylamide Concentration in Fried Potato Products", <u>Chemistry and Safety of Acrylamid in Food</u> , (2005), PP. 371-386, Springer Science+Business Media, Inc.	
	D55	STADLER et al., "Acrylamide from Maillard reaction products", <u>Nature</u> , October 3, 2002, 2 pages, vol. 419, Nature Publishing Group	
	D56	STADLER et al., "In-Depth Mechanistic Study on the Formation of Acrylamide and Other Vinylogous Compounds by the Maillard Reaction", <u>J. Agric. Food Chem.</u> , (2004), pp. 5550-5558, vol. 52, American Chemical Society	
	D57	STADLER, R. H., "Acrylamide Formation in Different Foods and Potential Strategies for Reduction", Chemistry and Safety of Acrylamid in Food, (2005), pp. 157-169, Springer Science+Business Media, Inc.	
	D58	STARCK, P., "UPDATE 3-Crisps, french fries, bread may cause cancer-study", Reuters, April 24, 2002, 8 pages, http://curezone.com/art/read.asp?ID=42&db=6&C0=17	
	D59	TAEYMANS et al., "A Review of Acrylamide: An Industry Perspective on Research, Analysis, Formation, and Control", Critical Reviews in Food Science and Nutrition, (2004), pp. 323-347, vol. 44, Taylor & Francis, Inc.	
	D60	TAKADA et al., "Change in Content of Sugars and Free Amino Acids in Potato Tubers under Short- Term Storage at Low Temperature and the Effect on Acrylamide Level After Frying", <u>Biosci.</u> <u>Biotechnol. Biochem.</u> , (2005), pp. 1232-1238, vol. 69, no. 7, Japan Society for Bioscience Biotechnology and Agrochemistry	
	D61	TAUBERT et al., "Influence of Processing Parameters on Acrylamide Formation during frying of Potatoes", <u>J. Agric. Food Chem.</u> , (2004), pp. 2735-2739, vol. 52, American Chemical Society	
	D62	WEISSHAAR et al., "Formation of Acrylamide in Heated Potato Products – Model Experiments Pointing to Asparagine as Precursor", <u>Deutsch Lebensmittel-Rundschau</u> , October 3, 2002, pp. 397-400, vol. 98, no. 11, Behr's Verlag, Hamburg, Germany	
	D63	WILLIAMS, J. S. E., "Influence of variety and processing conditions on acrylamide levels in fried potato crisps", <u>Food Chemistry</u> , (2005), pp. 875-881, vol. 90, Elsevier Ltd.	

	Examiner Signature		Date Considered	
--	-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substitute for fo	rm 144	19/PTO	Complete if Known		
INFORMATION DISCLOSURE			LOSURE	Application Number	11/561,785	
	STATEMENT B	Y APF	PLICANT	Filing Date	June 25, 2004	
r	ate Submitted: Se	ntomb	or 15, 2000	First Named Inventor	Caius ROMMENS	
L	ate Submitted. Se	ptemi	Del 15, 2009	Art Unit	1638	
(use as many sheets as necessary)				Examiner Name	Unassigned	
Sheet	6	of	6	Attorney Docket Number	058951-0238	

·	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ <sup>6</sup>					
	D64	YARNELL, A., "Acrylamide Mystery Solved – Heating asparagine with sugar yields chemical found in cooked foods", <u>Chemical &amp; Engineering News</u> , October 7, 2002, 2 pages, vol. 80, no. 40, http://pubs.acs.org/cen						
-	D65	YAYLAYAN et al., "Why asparagine needs carbohydrates to generate acrylamide", <u>J. Agric. Food Chem.</u> , March 12, 2003, vol. 51, no. 6, 2 pages, http://www.ncbi.nlm.nih.gov/pubmed/12617619						
	D66	YOSHIDA et al., "Acrylamide in Japanese Processed Foods and Factors Affecting Acrylamide Level in Potato Chips and Tea", <u>Chemistry and Safety of Acrylamid in Food</u> , (2005), PP. 405-413, Springer Science+Business Media, Inc.						
	D67	ZHANG et al., "Occurrence and analytical methods of acrylamide in heat-treated foods Review and recent developments", <u>Journal of Chromatography A</u> , (2005), pp. 1-21, vol. 1075, Elsevier B. V.						

Examiner	Date	
Signature	Considered	1

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.